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METEOROLOGICAL JOURNAL.

Latitude of Bowdoin College, 43° 53' N.

THE Thermometer employed in the following observations, was constructed by Mr. Six, and registers the maxima of heat and cold. The gradation is according to the scale of Fahrenheit. The instrument has a northern exposure, and is elevated about six feet, being exposed to the influence of no object, excepting that to which it is attached. I have marked degrees above and below the zero by the signs (:) and (-).

FEBRUARY, 1815.

Thermometer.					Barometer.			Winds.			Weather.		
	h. m. 7 30 A. M.	1 P. M.	15 minutes after sunset.	Maximum of cold.	Maximum of heat.	h. m. 7 30 A. M.	1 P. M.	15 minutes after sunset.	h. m. 7 30 A. M.	1 P. M.	15 minutes after sunset.	h. m. 7 30 A. M.	15 minutes after sunset.
1	7 0	22.70	22.0	15.0	23.0	29.68	29.76	29.82	N.W.	N.W.	N.W.	Fair	Fair
2	14	26.5	26	6.5	27	29.82	29.77	29.81	N.W.	N.W.	N.W.	Sno.	Clo.
3	8	26.5	24.5	.7	27	29.85	29.68	29.62	N.W.	S.W.	S.W.	Clo.	Clo.
4	19	27.5	21	17.7	23	29.75	29.75	29.71	N.E.	N.E.	N.E.	Fair	Clo.
5	14	20	17	12	21	29.68	29.70	29.76	N.E.	N.E.	E.	Clo.	Fair
6	15	21	18	12	21	29.80	29.79	29.79	N.E.	N.E.	N.	Sno.	Sno.
7	12	24	17.5	8.2	25	29.90	29.86	29.84	N.W.	N.W.	S.W.	Fair	Fair
8	9	26	19	14.5	27	29.71	29.63	29.60	W.	S.W.	S.W.	Fair	Fair
9	8	30	23.5	1.2	32	29.55	29.50	29.52	S.W.	N.W.	N.W.	Fair	Fair
10	4	26	20	5.7	30	29.69	29.73	29.76	N.W.	N.W.	N.W.	Fair	Fair
11	3	29	19	9	30	29.79	29.77	29.81	N.W.	N.E.	N.E.	Clo.	Fair
12	8	30	23	8	30.5	29.71	29.65	29.60	N.E.	N.E.	N.W.	Clo.	Clo.
13	14	14.5	11	12	15	29.70	29.75	29.79	N.W.	N.W.	N.W.	Clo.	Fair
14	9	18.5	16.5	15.5	19	29.86	29.77	29.70	W.	S.W.	S.W.	Fair	Fair
15	13	28	22	6	30	29.60	29.62	29.67	N.W.	N.W.	N.W.	Fair	Fair
16	14.5	33.5	24	1.7	35	29.69	29.60	29.59	N.W.	S.W.	S.W.	Clo.	Clo.
17	15	29.2	24.5	9.5	31	29.90	29.87	29.87	N.W.	N.W.	S.W.	Fair	Clo.
18	8.5	13	10	7.7	13.5	29.78	29.67	29.68	N.E.	N.E.	N.E.	Sno.	Clo.
19	5.5	30	23.5	5	32	29.80	29.81	29.86	N.E.	N.E.	S.W.	Fair	Clo.
20	3	31	30.5	9	32	29.90	29.80	29.69	N.W.	S.	S.	Fair	Sno.
21	32	39	33	28.5	40	29.46	29.39	29.35	W.	S.	N.E.	Clo.	Sno.
22	17	24	19	12	24	29.90	29.99	30.05	N.W.	N.E.	N.W.	Fair	Clo.
23	4	20	17	14.2	21	30.25	30.24	30.27	N.W.	S.W.	S.W.	Fair	Fair
24	1.5	20	19	9.7	21	30.50	30.52	30.43	N.E.	E.	N.E.	Clo.	Sno.
25	19	35	28	16	35	30.03	29.95	29.85	N.E.	N.E.	N.E.	Fair	Sno.
26	26	40	53	24	41	29.72	29.87	30.	W.	N.W.	N.W.	Fair	Fair
27	10.5	37	34	.5	33.5	30.14	30.03	30.	S.W.	S.W.	S.W.	Clo.	Clo.
28	35	41	34	23.5	42	29.66	29.60	29.60	S.W.	S.W.	S.	Clo.	Clo.
Means.	10.5	27.2	22.4	3.2	28.2	29.81	29.79	29.78					

Mean temperature deduced from three observations each day 20.06°
ditto maxima of heat and cold 15.70

Mean pressure of the atmosphere - - 29.79 in.

Greatest monthly range of barometer 1.17

Snow reduced to water - - 1.50

The total absence of rain, during this month, is uncommon.

MARCH, 1815.

Thermometer.					Barometer.			Winds.			Weather.		
	h. m.	7 30 A. M.	1 P. M.	15 minutes after sunset.	Maximum of cold.	Maximum of heat.		h. m.	7 30 A. M.	1 P. M.	15 minutes after sunset.	h. m.	7 30 A. M.
1	32	0	46.5	50	36.5	21	0	29.70	29.70	29.80	S. W.	S. W.	S. W.
2	35	45	36	24.7	46.5	29.94	29.94	29.92	S. W.	S. W.	S. W.	Fair	Fair
3	33	49.5	41	26.5	50	29.97	29.91	29.87	N. E.	S. W.	S. W.	Fair	Fair
4	33	44.5	39	23.5	47	29.83	29.74	29.70	S. W.	S. W.	S. W.	Fair	Clo.
5	41	49	44	37	50.5	29.79	29.69	29.58	S. W.	S. E.	S.	Fair	Mi.
6	44	51	45	35	51.5	29.68	29.71	29.82	W.	S. W.	W.	Clo.	Fair
7	30.5	35	35	29.5	36	30.09	30.10	30.14	N.	N. W.	S.	Clo.	Fair
*8	22	37	30	12.5	33.5	30.33	30.35	30.36	W.	N. W.	S. W.	Fair	Fair
9	32	38	36.5	20	40	30.21	30.11	30.09	S. W.	S. W.	S. W.	Fair	Fair
10	23	47.5	40	17	48	30.13	30.10	30.09	S. W.	S. W.	S. W.	Fair	Clo.
11	33	42	40	34	43.5	29.97	29.79	29.76	S. W.	S. W.	S. W.	Rain	Clo.
12	33	46	42	25.5	48	29.86	29.90	29.93	W.	N. W.	S. W.	Fair	Clo.
13	34	36	30	30	36	29.99	29.92	29.77	N. E.	S. E.	S. E.	Clo.	Sno.
14	29	42	34	26.5	45.5	29.95	29.93	29.84	S. W.	S. W.	S. W.	Clo.	Clo.
15	38	43	33	32.5	45.5	29.24	29.07	29.16	S.	N. W.	N. W.	Rain	Clo.
16	25	30.5	26	22	31	29.53	29.68	29.88	N. W.	N. W.	N. W.	Fair	Fair
17	20	31	27	10	31.5	30.02	29.87	29.50	N. W.	S. E.	S. E.	Fair	Sno.
18						29.30	29.37		N. W.	N. W.	N. W.	Clo.	Fair
19	24	36	29	9.7	37	29.71	29.71	29.77	S. W.	N. W.	N. W.	Fair	Fair
20	15	21	16.5	1	22	29.82	29.85	29.91	N. W.	N. W.	N. W.	Sno.	Fair
21	3	16.5	20	- 1	20	30.06	30.02	30.02	N. W.	N. W.	N. W.	Fair	Fair
22	9	21	18.2	- 7	22	30.30	30.32	30.33	N. W.	S. W.	S. W.	Fair	Clo.
23	19	32	29	14	32	30.10	30.02	29.94	N. E.	N. E.	N. E.	Sno.	Sle.
24	31	41	36.5	27.5	41.5	29.84	29.65	29.43	N. E.	S. W.	S. W.	Rain	Clo.
25	34	42.5	33	26.5	43	29.70	29.79	29.92	N. W.	N. W.	N. W.	Fair	Fair
†26	20	30	26	13	32	30.36	30.39	30.37	N. W.	S. W.	S. W.	Fair	Fair
27	33.5	36	34	20	36	30.02	29.80	29.56	S. W.	S. W.	S. W.	Mis.	Clo.
28	39	43.5	36	29.7	45	29.75	29.90	30.02	S. W.	N. W.	N. W.	Fair	Fair
29	25	35	28	16.5	35	30.34	30.31	30.18	E.	S. W.	S. W.	Clo.	Sno.
30	29	35	32.5	25.5	35	29.80	29.72	29.70	S. W.	N. E.	N. E.	Sn.	Mist
31	32	35	33	29.5	35	29.46	29.21	29.06	N. E.	N. E.	N. E.	Rain	Mist
Means.	28.5	37.9	38.8	21.3	39.1	29.89	29.86	29.84					

Mean temperature deduced from three observations each day 33.06°

ditto maxima of heat and cold - 30.20

Mean pressure of the atmosphere - - 29.86 in.

Greatest monthly range of barometer - - 1.33

Rain and snow reduced to water - - 1.16

March 17, about 10 o'clock, A. M. there was a most brilliant exhibition of *halos* and *parhelia* in the vicinity of the sun. The number of *halos*, or *circles* and *arcs* of circles was *nine*; and the number of *parhelia* or *mock-suns* *five*. As it is hardly possible to give an accurate description of the phenomenon without the assistance of a figure, I shall barely remark, that, among the *halos*, the most beautiful was a very distinct white circle, passing through the sun's disc, parallel to the horizon, about 90° in diameter, and having the zenith at its centre.

* March 8, Aurora Borealis.

† March 26, bright halo round the sun, at 12 o'clock, 15° diameter.

In this circle were *four* parhelia or mock-suns; two of them being, by estimation, 45° distant from the sun, and near to the points, where the white circle intersected an irised halo, passing round the sun; and the other two at 90° from those just mentioned. The two former were irised; the two latter perfectly white.

The morning of this day was cloudless, with the wind blowing from N.W.; but during the phenomenon, the vapour in the air was condensed with unusual rapidity in the south. About 30 minutes after 10 o'clock, the southern part of the halos was obscured by the actual formation of clouds; and about 2 o'clock, P.M. snow began to descend very copiously with a S.E. wind. The form of the snow was somewhat peculiar, being that of very long and slender spiculae or prisms.

Two days previous to this phenomenon, a small quantity of rain fell with a south wind; but the day immediately preceding the 17th, was fair, with a N.W. wind, and so cold, that the maximum of heat was only 31° ; indeed, on the 17th, the thermometer ascended no higher than $31^{\circ} 5$, and the following day was cloudy, and cold with a N.W. wind. During the nights of the 21st and 22d of March, the thermometer descended a little *below zero*, which has never before occurred so late in the month, since my residence in this place. The phenomenon just described was witnessed at Hallowell, about 30 miles north from Brunswick, and also at places at least 15 miles south. In the course of the month of March, B. Vaughan, Esq. of Hallowell, repeatedly observed, that in the region where the sun was shining, the sky around it exhibited peculiar appearances; the colour seemed to be such, as would result from covering the sky with an extremely thin semi-transparent mist, composed of black and white vapours, illuminated from within, and, at the same time, coated without by a transparent, silvery varnish. In one or two cases the black tint was very conspicuous.

March 31. During most of this day, a fine mist continued to fall; in the former part of the night the wind changed to N.W. accompanied by the fall of one or two inches of very light snow, which, on the following morning, presented a very uncommon appearance. In the fields and roads were to be seen a *vast number* of *snow balls*, varying in size from *one to fifteen* inches in diameter, or perhaps, still larger. They were very irregularly scattered, and sometimes collected into little heaps by eddies in the wind. Most of those which I saw, were from four to ten inches in diameter. When small, their form was nearly spherical; but the larger balls were, in general, somewhat oval, in consequence of having rolled so far in one direction. Their texture was homogeneous; they were extremely light, and composed of minute prisms of snow irregularly aggregated. When very small, they would hardly bear examination in the hand without falling to pieces; when larger, they had become more compact. The paths in which they had rolled were, in general, distinctly visible. These balls were observed in Lisbon, Topsham, Durham, Brunswick, Bath, Harpswell, and perhaps in other towns. It does not seem perfectly easy to point out *all* the circumstances which concurred in producing them.

The above journal was furnished by Professor Cleaveland of Bowdoin College, Brunswick.

THE following are the results of the Thermometer and Barometer for the months of February and March, as communicated by Professor FARRAR, of Harvard University, Cambridge.

1815. February.	Barometer.			Thermometer.		
	7 A. M.	2 P. M.	9 P. M.	7 A. M.	2 P. M.	9 P. M.
Greatest	30.64.	30.73.	30.71.	32.	42.	40.
Mean	30.134.	30.008.	30.110.	15.52.	35.05.	28.20.
Least	29.76.	29.62.	29.67.	-2.	2.	4.
March.						
Greatest	30.74.	30.73.	30.65.	47.	67.	49.
Mean	30.211.	30.093.	30.117.	30.79.	44.15.	33.90.
Least	29.56.	29.67.	29.33.	6.	27.	15.

The quantity of rain and dissolved snow during these two months was 5 inches 52 hundredths.

ALBANY, FEBRUARY, 1815.

Thermometer.				Barometer.			Winds.		Weather.	
Day.	7 A. M.	3 P. M.	9 P. M.	7 A. M.	3 P. M.	9 P. M.	Morning.	Afternoon.	Morning.	Afternoon.
1	8	22	26	30.00	30.02	30.02	N.W.	N.W.	Fair.	Fair.
2	24	28	28	29.80	29.90	29.90	N.W.	N.W.	Cloudy.	Fair.
3	24	34	34	29.80	29.70	29.65	S.	S.	Cloudy.	Cloudy.
4	32	30	26	29.62	29.60	29.50	N.	N.W.	Cloudy.	Cloudy.
5	24	28	32	29.60	29.60	29.60	N.	S.	Cloudy.	Cloudy.
6	32	24	24	29.68	29.78	29.85	S.	N.W.	Snow.	Cloudy.
7	22	20	14	29.90	29.85	29.80	N.W.	N.W.	Cloudy.	Fair.
8	4	22	26	29.70	29.70	29.65	N.W.	N.W.	Cloudy.	Cloudy.
9	25	32	28	29.60	29.60	29.60	S.	S.	Snow.	Cloudy.
10	20	24	20	29.76	29.70	29.70	N.W.	N.W.	Fair.	Fair.
11	18	30	28	29.70	29.70	29.70	S.E.	S.	Fair.	Cloudy.
12	24	26	20	29.60	29.60	28.80	N.	N.W.	Cloudy.	Cloudy.
13	14	20	20	29.75	29.85	29.82	N.W.	N.W.	Cloudy.	Fair.
14	14	24	16	29.82	29.74	29.60	S.E.	S.E.	Fair.	Fair.
15	4	30	26	29.60	29.60	29.60	S.	S.E.	Fair.	Fair.
16	26	38	38	29.60	29.68	29.95	S.E.	S.E.	Cloudy.	Fair.
17	24	28	24	29.90	29.75	29.65	W.	N.W.	Cloudy.	Snow.
18	24	28	22	29.50	29.60	29.60	N.	N.	Snow.	Snow.
19	16	28	28	29.80	29.82	29.85	N.W.	S.	Fair.	Cloudy.
20	24	36	40	29.85	29.50	29.40	S.	S.E.	Fair.	Cloudy.
21	36	34	28	29.40	29.30	29.50	S.	N.W.	Cloudy.	Rain.
22	20	22	20	29.90	30.00	30.05	N.W.	N.W.	Cloudy.	Fair.
23	18	22	10	30.30	30.30	30.30	N.W.	N.W.	Fair.	Fair.
24	8	18	22	30.30	30.25	30.10	N.W.	N.E.	Cloudy.	Snow.
25	25	30	32	29.95	29.72	29.70	N.	N.E.	Cloudy.	Hail.
26	32	36	24	29.80	29.95	29.90	W.	N.W.	Fair.	Fair.
27	18	38	38	30.00	29.96	29.80	S.E.	S.E.	Cloudy.	Cloudy.
28	36	40	36	29.64	29.60	29.55	S.	S.	Cloudy.	Fair.

ALBANY, MARCH, 1815.

Thermometer.				Barometer.			Winds.		Weather.	
Day.	7 A. M.	3 P. M.	9 P. M.	7 A. M.	3 P. M.	9 P. M.	Morning.	Afternoon.	Morning.	Afternoon.
1	32	44	40	29.65	29.70	29.80	S.	S.	Cloudy.	Fair.
2	40	46	44	29.80	29.80	29.80	S.	S.	Cloudy.	Fair.
3	48	50	44	29.80	29.80	29.80	S.	S.	Fair.	Fair.
4	44	58	48	29.75	29.70	29.70	S.	S.	Cloudy.	Rain.
5	44	56	50	29.60	29.50	29.75	S.	S.	Fair.	Cloudy.
6	48	62	46	29.80	29.90	30.00	W.	N.W.	Fair.	Fair.
7	38	41	36	30.10	30.10	30.15	N.W.	N.W.	Fair.	Fair.
8	30	40	33	30.25	30.25	30.25	N.W.	S.E.	Fair.	Fair.
9	36	40	40	30.10	30.10	30.10	S.E.	S.	Cloudy.	Fair.
10	32	52	50	30.10	30.00	30.00	S.	S.E.	Fair.	Cloudy.
11	46	54	46	29.35	29.60	29.90	S.	S.	Rain.	Fair.
12	48	52	43	30.02	30.00	29.90	W.	W.	Fair.	Cloudy.
13	40	44	44	29.80	29.60	29.85	W.	S.E.	Rain.	Rain.
14	34	42	44	29.90	29.75	29.60	N.W.	S.E.	Fair.	Rain.
15	44	48	38	29.10	29.30	29.45	S.	N.W.	Rain.	Fair.
16	32	34	30	29.70	29.90	29.90	N.W.	N.W.	Cloudy.	Fair.
17	28	34	34	29.90	29.50	29.35	S.E.	S.E.	Snow.	Snow.
18	32	42	36	29.50	29.64	29.65	N.W.	N.W.	Cloudy.	Fair.
19	38	36	32	29.80	29.80	29.80	W.	W.	Fair.	Fair.
20	24	24	20	30.00	30.05	30.10	W.	W.	Fair.	Fair.
21	14	26	22	30.12	30.00	30.00	N.	N.E.	Cloudy.	Cloudy.
22	20	26	26	30.10	30.15	30.05	N.	S.E.	Cloudy.	Snow.
23	28	34	34	29.90	29.90	29.80	N.W.	S.	Snow.	Rain.
24	38	38	46	29.60	29.50	29.65	S.E.	W.	Rain.	Rain.
25	40	42	36	29.90	30.00	30.10	N.W.	N.W.	Fair.	Fair.
26	30	36	40	30.38	30.38	30.20	N.	N.	Fair.	Fair.
27	40	48	48	29.35	29.60	29.60	S.E.	S.E.	Cloudy.	Rain.
28	40	44	38	29.90	29.95	30.12	W.	W.	Cloudy.	Fair.
29	32	32	32	30.15	30.05	30.00	W.	S.E.	Cloudy.	Snow.
30	34	36	38	29.75	29.60	29.60	S.E.	S.E.	Rain.	Rain.
31	36	38	38	29.30	29.30	29.30	S.	N.W.	Rain.	Snow.

MISCELLANEOUS AND LITERARY INTELLIGENCE.

PILGRIMAGE TO THE HOLY LAND.

BASLE, FEB. 3.—The Duke of Holstein-Eutin, (the late king of Sweden) is determined to travel to the Holy Land, and has already received from the Grand Seignour the necessary permission in that respect. He has caused the following notice to be published here in French :—

“ We make known by these presents, that the Ottoman Porte has given us permission to visit the Holy City. One of our wishes is now fulfilled—it has been the object of our most ardent